



MOBILE MEDIUM RANGE 3D
AIR DEFENSE RADAR

#Radar



aselsan



MOBILE MEDIUM RANGE 3D AIR DEFENSE RADAR

KALKAN-I is a mobile X band phased array 3D search and track radar for point and area defense of critical military and civilian assets. KALKAN offers an instrumented range of 100 km and can track multiple targets accurately, adding classification and identification information to each target track.

KALKAN-I is a phased array radar with multi-beam architecture optimized for search and track functions. The system employs advanced electronic protection measures; it uses digital pulse compression for high range resolution, low transmission power and pulse coding.

KALKAN-I is a compact and easy-to-use standalone radar system with sensor on a trailer towed by a tactical truck. The system includes built-in IFF, north finding sensor, power generator, radio and GPS. KALKAN-I can send target and jammer reports to Command Control Systems over its radio and can receive commands from the C2 system. KALKAN-I is currently the main radar of the Turkish Armed Forces' mobile Air Defense Early Warning and Command Control System (SKYWATCHER) and Medium Altitude Air Defense Missile System.

Applications:

- Point and Area Air Defense of Critical Assets.
- Integration to Air Defence Missile Systems & Command Control Systems

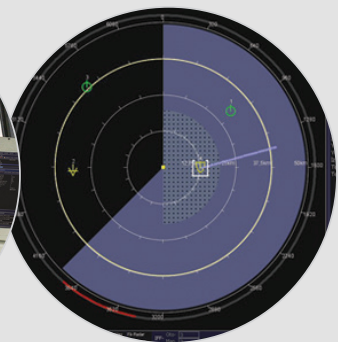


Features

- 3D Detection and Tracking Fighters, Helicopters, Hovering
- Helicopters, Unmanned Air Vehicles (UAVs), Cruise Missiles
- Multiple Target Tracking
- Classification of Targets
- Identification of Targets with Integrated IFF
- Jammer Direction Finding
- Remote Operation with Command Control System
- Transportable with Its Own Tactical Truck Having Power and Communication Subsystems

Technical Specifications

- Operating Frequency : X-Band
- Target Track Capacity : > 60
- Azimuth Coverage : 360°
- Elevation Coverage : -10° / +55°



Specifications are subject to change without any notice. | All tolerances are within $\pm 10\%$.

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